

ASSIGNMENT

I, Andrew Shyjan, of Nahant, MA, in consideration of One Dollar and other valuable consideration paid to me by

Millennium Pharmaceuticals, Inc.

a corporation of Delaware, having its principal place of business at 620 Memorial Drive, Cambridge, MA 02142, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Millennium Pharmaceuticals, Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

NOVEL MULTIDRUG RESISTANCE-ASSOCIATED POLYPEPTIDE

described in an application

____ executed by me of even date herewith and about to be filed

X Serial No. 09/061,400, filed on April 16, 1998

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 31st day of August, 1998.

By: Andrew Shyjan
Andrew Shyjan

State of _____)
County of _____)ss _____)

Then personally appeared the above named Andrew Shyjan and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 3rd day of August, 1998.


Notary Public

Theodore R. Allen
Notary Public